

## Exhibit 300: Capital Asset Summary

### Part I: Summary Information And Justification (All Capital Assets)

#### Section A: Overview & Summary Information

**Date Investment First Submitted:** 2009-06-30  
**Date of Last Change to Activities:**  
**Investment Auto Submission Date:** 2012-02-27  
**Date of Last Investment Detail Update:** 2012-02-27  
**Date of Last Exhibit 300A Update:** 2012-07-23  
**Date of Last Revision:** 2012-04-26

**Agency:** 009 - Department of Health and Human Services  
Medicaid Services

**Bureau:** 38 - Centers for Medicare and

**Investment Part Code:** 01

**Investment Category:** 00 - Agency Investments

**1. Name of this Investment:** CMS Information Management and Analytics (prev. CMS Data Management Operations - Claims)

**2. Unique Investment Identifier (UII):** 009-000000704

#### Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

The overall scope of this investment is to provide Operations and Maintenance and Enterprise Administrative support for CMS activities. The goal is to provide a reporting, application and data environment that is reliable and cost effective by reducing redundant activities. The areas are, Business Intelligence, Extract, Transform, and Load of data. Enterprise admin, operations, and maintenance of the CMS BI/ETL environment which provides secure user access to various CMS enterprise data stores. This enables the Agency to meet mission-critical activities, provide database and middleware support for the 820 databases across the data lifecycle for the mainframe and mid-tier environments. DBAs, monitor, manage and fine-tune the Agency's database environments to assure system performance and data access remains at an acceptable level; ensure the integrity and recoverability of all supported database platforms containing critical program data. MQ Administration: support the messaging environment to allow applications to provide data between the zones in the 3-zone Internet architecture, and interfaces provide message transport for services to and from CMS partners. QRep Administration: Provides replication services to allow Operational data not to be impacted by the needs of reporting and data feeds. Some of the data marts being populated by Q-Replication support Beneficiary enrollment and eligibility. Central Data Administration (CDA): Supports operational activities

associated with the use of the Agency's data through the data lifecycle--from capture through archiving. CDA provides guidance and assistance in the development, maintenance, administration, and enforcement of CMS data asset reuse and metadata standards, guidelines, and procedures; knowledge regarding data and metadata architecture, management, administration, standards, methodologies and associated tools; participating in Joint Application Development sessions; crafting conceptual and logical data models, etc. Cobol Contractors support the legacy systems including NCH, Medpar, IBNR, Mads, etc. to implement coding changes and provide the technical support for ongoing operations. PM support is required to effectively manage the myriad of projects involving data access initiatives and data stores.

**2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

The overall scope of this investment supports agency initiatives in an Enterprise manner. The areas of Administrative Tool support is the platform for multiple CMS project and application investments. The reuse of these Tools and Administrative support reduces the need to procure multiple support environments, saving CMS effort in both the financial and technical sectors. Below are brief synopses on the impact of each area that this investment covers. Business Intelligence (BI), Extract, Transform, and Load of data ETL. This investment provides a wide range of data user's access to several levels of data through BI/ETL tools to enable further analysis based on observations in trends in the data. In addition the ETL tools used to homogenize the data provide more accurate and timely data for all users having access to the investment. Database Administration (DBA): This area supports all the System of Record for both Beneficiary and Provider data. Without the support and administration of the supporting database systems this data would be unavailable for system use. This would cause impact to many systems, including the Beneficiary Eligibility and Enrollment systems, and Provider Enrollment and Chain Ownership systems. MQ Administration: This area supports MQ and Middleware support for 40+ applications across mainframe and mid-tier environments. This area also provides coordination for application services the environment, and the maintenance and administration of middleware and messaging products. Impact to this area, would cause possible outages to systems such as the National Plan and Provider Enumeration System, and the Medicare Beneficiary Database Interfaces. QRep Administration: Provides Database Replication for MMA Part D, and ARRA Hi-Tech data. This includes 107+ tables and 2+ terabytes of storage. This information supports all MMA Part D data marts and outbound data feeds. If Replication services are not working correctly the feed of beneficiary data to beneficiary support systems would be at risk. Central Data Administration (CDA): This support system provides the tracking and standards of data elements used throughout CMS. Through the use of Logical Data Models, the ability to look at data redundancy and data reuse scenarios helps to keep unnecessary redundancy in check. Without this service, data reuse between applications, and the tracking of Metadata for application use at an Enterprise level would be lost.

**3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

\* Completed development and publication of the Part A dashboard. \* Completed

development and publication of the Part D dashboard. \* Completed data models in support of ACA, ARRA Hi-Tech, and various others. \* Completed Enterprise Data Center (CDS) integration of messaging cluster with the CMS Baltimore data center. \* Completed Movement of Message Broker (Service Bus) environment to the z/Linux environment. \* Completed database creation for Hi-Tech activities. \* Completed Service Publications for MBD/Beneficiary Notifications, removing the multiple application integration need.

**4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

\* Support of additional databases necessary for various applications supporting new initiatives. \* Support of additional messaging support for various applications supporting new initiatives. \* Provide data mining support to validate data modeling to be used in Fraud Detection. \* Provide integration services between data centers with messaging support. \* Support the ACO program. \* Support the HITECH program. \* Provide administration of Business Intelligence tools for critical programs and projects such as fraud and abuse.

**5. Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2007-12-03

## Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

|  | PY-1<br>&<br>Prior | PY<br>2011 | CY<br>2012 | BY<br>2013 |
|--|--------------------|------------|------------|------------|
| Planning Costs:  | \$0.0              | \$0.0      | \$0.0      | \$0.0      |
| DME (Excluding Planning) Costs:                            | \$0.0              | \$0.0      | \$0.0      | \$0.0      |
| DME (Including Planning) Govt. FTEs:                       | \$0.0              | \$0.0      | \$0.0      | \$0.0      |
| Sub-Total DME (Including Govt. FTE):                       | 0                  | 0          | 0          | 0          |
| O & M Costs:   | \$108.2            | \$22.2     | \$22.0     | \$22.0     |
| O & M Govt. FTEs:  | \$0.6              | \$1.1      | \$1.4      | \$1.8      |
| Sub-Total O & M Costs (Including Govt. FTE):               | \$108.8            | \$23.3     | \$23.4     | \$23.8     |
| Total Cost (Including Govt. FTE):                          | \$108.8            | \$23.3     | \$23.4     | \$23.8     |
| Total Govt. FTE costs:                                     | \$0.6              | \$1.1      | \$1.4      | \$1.8      |
| # of FTE rep by costs:                                     | 9                  | 15         | 15         | 15         |
|  |                    |            |            |            |
| Total change from prior year final President's Budget (\$) |                    | \$-9.7     | \$-2.7     |            |
| Total change from prior year final President's Budget (%)  |                    | -29.34%    | -10.52%    |            |

**2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:**

The current funding levels for this investment were developed through the CMS' annual CPIC process. While the President's Budget was used to determine portfolio targets, funding levels for investments are adjusted reflect re-evaluated Agency priorities.

## Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

| Contract Type | EVM Required | Contracting Agency ID         | Procurement Instrument Identifier (PIID) | Indefinite Delivery Vehicle (IDV) Reference ID | IDV Agency ID | Solicitation ID | Ultimate Contract Value (\$M) | Type | PBSA ? | Effective Date | Actual or Expected End Date |
|---------------|--------------|-------------------------------|--|--|---------------|-----------------|-------------------------------|------|--------|----------------|-----------------------------|
| Awarded       | 7530         | <a href="#">HHSM5000001</a>   | HHSM500200700009I                        | 7530   |               |                 |                               |      |        |                |                             |
| Awarded       | 7530         | <a href="#">HHSM50000209G</a> | GS06F0542Z                               | 4730   |               |                 |                               |      |        |                |                             |
| Awarded       | 7530         | <a href="#">HHSM5000001</a>   | HHSM500200700010I                        | 7530   |               |                 |                               |      |        |                |                             |
| Awarded       | 7530         | HHSM5000001                   | HHSM500200700011I                        | 7530   |               |                 |                               |      |        |                |                             |
| Awarded       | 7530         | HHSM500T0001                  | HHSM-500-20011-00008I                    | 7530   |               |                 |                               |      |        |                |                             |
| Awarded       | 7530         | <a href="#">HHSM500B0022</a>  | HHSM500201000002B                        | 7530   |               |                 |                               |      |        |                |                             |
| Awarded       | 7530         | HHSM5000001                   | HHSM500200700011I                        | 7530   |               |                 |                               |      |        |                |                             |

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities:

Section B: Project Execution Data

| Table II.B.1 Projects |              |                     |                    |                         |                              |
|-----------------------|--------------|---------------------|--------------------|-------------------------|------------------------------|
| Project ID            | Project Name | Project Description | Project Start Date | Project Completion Date | Project Lifecycle Cost (\$M) |
| NONE                  |              |                     |                    |                         |                              |

| Activity Summary   |      |  |                                       |                                 |                      |                   |                          |                     |
|--|------|--|---------------------------------------|---------------------------------|----------------------|-------------------|--------------------------|---------------------|
| Roll-up of Information Provided in Lowest Level Child Activities |      |  |                                       |                                 |                      |                   |                          |                     |
| Project ID   | Name | Total Cost of Project Activities (\$M) | End Point Schedule Variance (in days) | End Point Schedule Variance (%) | Cost Variance (\$M ) | Cost Variance (%) | Total Planned Cost (\$M) | Count of Activities |
| NONE   |      |  |                                       |                                 |                      |                   |                          |                     |

| Key Deliverables |               |             |                         |                           |                        |                    |                              |                       |
|------------------|---------------|-------------|-------------------------|---------------------------|------------------------|--------------------|------------------------------|-----------------------|
| Project Name     | Activity Name | Description | Planned Completion Date | Projected Completion Date | Actual Completion Date | Duration (in days) | Schedule Variance (in days ) | Schedule Variance (%) |
| NONE             |               |             |                         |                           |                        |                    |                              |                       |

## Section C: Operational Data

Table II.C.1 Performance Metrics

| Metric Description   | Unit of Measure | FEA Performance Measurement Category Mapping | Measurement Condition | Baseline  | Target for PY | Actual for PY | Target for CY | Reporting Frequency |
|--|-----------------|--|-----------------------|-----------|---------------|---------------|---------------|---------------------|
| Percent increase MQ throughput to system capacity                    | Percentage      | Process and Activities - Productivity        | Over target           | 90.700000 | 90.000000     | 93.000000     | 92.000000     | Monthly             |
| Percent increase Qrep throughput to system capacity                  | Percentage      | Process and Activities - Productivity        | Over target           | 91.800000 | 91.000000     | 95.000000     | 93.000000     | Monthly             |
| Percent increase Informatica throughput to system capacity           | Percentage      | Process and Activities - Productivity        | Over target           | 89.600000 | 90.000000     | 91.000000     | 92.000000     | Monthly             |
| Percent increase MQ work completed divided by system demand          | Percentage      | Customer Results - Customer Benefit          | Over target           | 93.600000 | 91.000000     | 95.000000     | 94.000000     | Semi-Annual         |
| Percent increase Qrep work completed divided by system demand        | Percentage      | Customer Results - Customer Benefit          | Over target           | 92.400000 | 92.000000     | 94.000000     | 93.000000     | Semi-Annual         |
| Percent increase Informatica work completed divided by system demand | Percentage      | Customer Results - Customer Benefit          | Over target           | 94.300000 | 93.000000     | 97.000000     | 95.000000     | Semi-Annual         |